

NHS Building a Clonidine Protocol for Better Outcomes



Patient label

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Clonidine background

- Limited evidence of use within Palliative Medicine
- Nil data on chronic use, nil recent data on oral use
- No Local or National Protocol
- Not included in Scottish Palliative Care Guidelines

Previous QIP

- November 2022 April 2024
- Variable prescribing and monitoring practice
- 'Tolerated useful alternative for patients with complex pain and distress not responding to more standard medications.'
- 'More robust documentation of indication and benefits of these medications needed help build the evidence base around the use of clonidine in a Palliative Care setting'

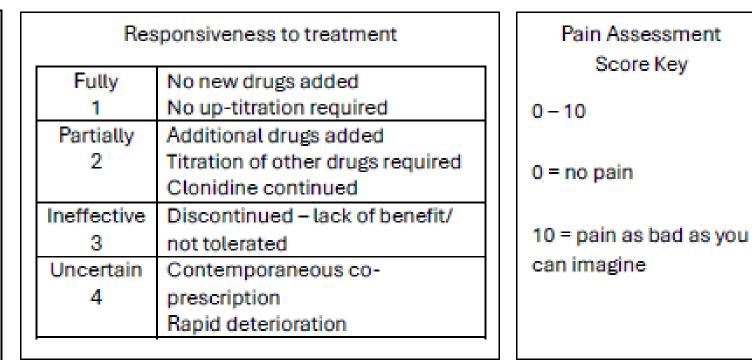
Further data collection

- November 2024 February 2025
- Use in 6 patients difficult to draw firm conclusions
- Ongoing variable prescribing practice Documentation inconsistent
- Nil observed difference in efficacy between PO or SC
- Preference for PO route less invasive in chronic use
- Chronic use tolerated



CLONIDINE Treatment initiation and monitoring protocol for: Pain unresponsive to standard treatments and refractory agitation in the imminently dying For other indications, please reference PCF

Agit	ation-Sedation Scale (RAAS)						
+4	Combative						
+3	Very agitated						
+2	Agitated						
+1	Restless						
0	Alert and calm						
-1	Drowsy						
-2	Light sedation						
-3	Moderate sedation						
-4	Deep sedation						
-5	Unrousable						



Dosing - as per PCF

If pain does not respond to loading doses, benefit from further doses is unlikely

Pre-initiation Considerations

Is the patient ambulant? Baseline BP and HR required

Medical History of Technamic haart diegase narinharal vascular diegase ranglimnairment etroke

Loading/ test	75 microgram SC (or PO*)					
doses	If no benefit, repeat after 1-2 hours					
Bolus dosing	Daily starting dose is twice the required loading dose -					
	75 – 150 microgram SC (or PO*) BD to TDS					
	If two loading/ test doses were required for benefit, start with 300					
	microgram/24 hours in divided doses					
CSCI	150microgram/24h CSCI					
	If two loading/test doses were required for benefit, start with					
	300microgram/24h CSCI					
PRN	75 – 150microgram SC (or PO*) up to TDS					
Titration	If PRN doses are required and beneficial, titrate every 1-2 days					

- Bioavailability (75 -100%) suggests a PO:SC ratio of approximately 1:1, but oral bioavailability appears to vary with repeated dosing
- *Consider PO regime if SC route not appropriate/practical
- Half-life prolonged in renal impairment (CrCl <30ml/minute); consider halving 24 hour dosing Typical effective dose 300 – 600 microgram/24 hours
- Sublingual and topical routes are also available

lonidine	Monitoring Sheet

Primary Diagnosis:

Indication:

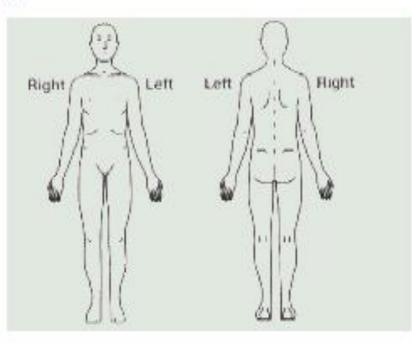
Pain Pain and agitation Agitation

Other (give details)

- Pain type: Neuropathic Pain
 - Inflammatory pain Bone pain Mixed pain

Spasticity or rigidity

Put an X on the site of pain



Record BP and HR for ambulant patients at initiation and following dose titration

- Routine monitoring of HR and BP is not necessary in non-ambulatory patients unless
- Inform medical staff if -
 - Symptomatic orthostatic hypotension
 - o Systolic BP <90mmHg o HR < 60bpm

Baseline Observations pre initiation

Patient label

Pain

Pre loading/test dose Post loading/test dose Scores RAAS Clinical Response

Date	Dose	Frequency	Route	BP	HR	Pain score 0 to 10	RAAS +4 to -5	Clinical response 1 to 4
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Future direction and further work



Collaborative working with the Professional Lead for the Scottish Palliative Care Guidelines

Development of Medicines information leaflet

To sit under red section 'for specialist use only'



Implementation of the draft treatment initiation and monitoring protocol at PPWH



Feedback from team on protocol



Data Collection Tool development to facilitate analysis of outcome measures

Initiation & dosing regime using PO route

Monitoring for any perceived variability in oral bioavailability with repeated dosing

Long term side effects/complications Use in subgroups including Parkinson's

References

- Wilcock A, Howard P, Charlesworth S (2022) Palliative Care Formulary 8th Edition
- Howard P (2024) Isle of Wight Palliative Care Symptom Control Guidelines
- Howard P, Curtin J. Efficacy and safety of subcutaneous clonidine for refractory symptoms in palliative medicine: a retrospective study. BMJ Supportive & Palliative Care 2023;13:e820-e824.